



SWIA – Update for 2009 RY

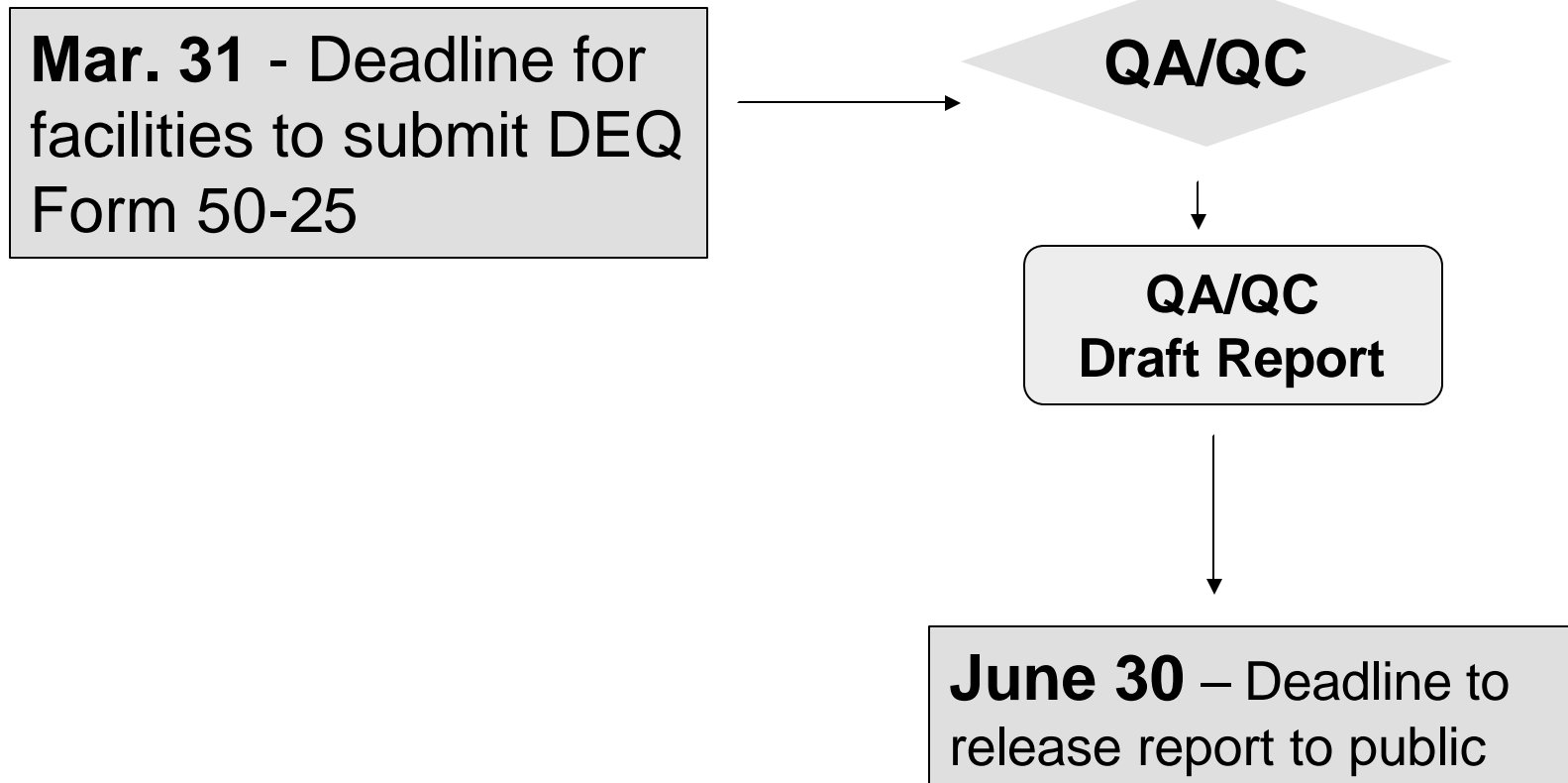
*Solid Waste Information
& Assessment Program
Reporting*

Presentation 2009

[SWIA – What did not change]

- DEQ Form 50-25 and how facilities submit
- Pin Numbers for facilities
- SWIA Web Site for on-line reporting
<https://www.deq.virginia.gov/SWIAWebApp/login.jsp>
- SWIA home page address
<http://www.deq.virginia.gov/waste/wasteinf.html>
- Timelines for submitting and reviewing forms
- Email notifications

[SWIA Timeline - For On-line and hard copy]



SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

1	Facility Name				
2	Permit Number	3 Date Submitted to DEQ		4 Annual Reporting Period	
5	Preparer's First Name	Middle Initial	Last Name		6 Telephone
7	Preparer's E-mail Address <small>An email address will be used to contact you in case of questions about this form submission.</small>				
8	Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input type="checkbox"/> Y <input type="checkbox"/> N				
	Contact First Name	Last Name		Contact Phone	
	Address				
	City	State		Zip Code	
9	Remaining Permitted Capacity	Cubic Yards	If a facility's permitted capacity is reported in tons, please note this below in General Comments. DEQ will apply conversion factors based on the type of waste in order to calculate the volume and the number of years of permitted capacity available in the state.		
10	Expected Remaining Permitted Life	Years			

Waste amounts measured in : ☐ Tons or ☐ Cubic Yards

11	Originating Jurisdiction					11A Statement of Economic Benefits submitted? <input type="checkbox"/> Y <input type="checkbox"/> N						
	Waste Type	Total Amount of Waste Received (a)	Recycled On-Site (b)	Composted On-site (c)	Landfilled On-site (d)	Incinerated On-Site (e)	Sent Off-Site to be: (f)		Stored On-Site:(g)		Other (h)	
							Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
12	Municipal Solid Waste											
13	Construction/ Demolition/Debris											
14	Industrial Waste											
15	Regulated Medical Waste											
16	Vegetative/Yard Waste											
17	Incineration Ash											
18	Sludge											
19	Tires											
20	White Goods											
21	Friable Asbestos											
22	Petroleum Contaminated Soil											
23	Other Wastes (specify)											
24	Total											

General Comments

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Complete a separate form for each jurisdiction.

See the instructions for completing Form DEQ 50-25. A separate form is provided for the optional Statement of Economic Benefits.

Revised 10/15/2007

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Waste amounts measured in : ☐ Tons or ☐ Cubic Yards[illegible]

SWIA On-line Reporting Tool




<https://www.deq.virginia.gov/SWIAWebApp/login.jsp>

SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25 Login Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Print Mail

Address <https://www.deq.virginia.gov/SWIAWebApp/login.jsp> Go Links



General Instructions

**On-Line Submission Form for
Solid Waste Information and Assessment (SWIA)**

*This application has been designed for Microsoft's Internet Explorer.
This application's functionality cannot be verified when accessed with internet browsers other than Microsoft's Internet Explorer.*

Please Note that the Deadline Date for Submittal for all SWIA Forms is March 31st of each year.

Facility Click here ☐ DEQ Staff Click here ☐

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[SWIA On-line Reporting Tool]

SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25 Login Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print View Source Help

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On-Line Submission Form for Solid Waste Information and Assessment (SWIA)

*This application has been designed for Microsoft's Internet Explorer.
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Please Note that the Deadline Date for Submittal for all SWIA Forms is March 31st of each year.

Facility Click here ☒ DEQ Staff Click here ☐

You have selected Facility Login

Enter The Permit Number (i.e., PBR999, SWP999):	<input type="text"/>	Help
Enter The Permit Issued Date as (MM/DD/YYYY):	<input type="text"/>	Help
Enter The Pin Number :	<input type="text"/>	Help

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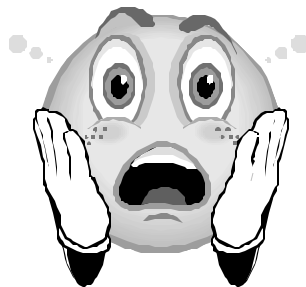
SWIA Homepage Updates

<http://www.deq.virginia.gov/waste/wasteinf.html>

- Added “Most Common Reporting Errors”
- Revised instructions for balancing a row
- Revised instructions for incinerators

[Most Common Reporting Errors]

- **Permit numbers – hard copies only**
- Permit numbers begin with SWP, PBR, or EMG followed by a 3 digit number. Enter the permit number assigned to the facility.
- Examples: **SWP024, PBR125, EMG199**



[Most Common Reporting Errors - continued]

- **Jurisdiction – hard copies only**
- The **jurisdiction must be identified** from which the waste originated. Even if all of the waste originated in Virginia, item 11 should be “VA.”
- **Entering data into column (a).** When reporting waste received on site, the total must be entered in both column “a” and the column(s) for the corresponding management method.

Balancing a Row

Most Common Reporting Errors – continued



- **The 3 most common errors are:**
 1. Typographical error when entering a number, which throws off the sums.
 2. Simple math error when summing totals.
 3. Not accounting for waste stored at the beginning or the end of the period.

Balancing a Row – Method 1 vs. Method 2

Most Common Reporting Errors – continued

- **Method 1** - follows the formula:

$$a + g \text{ (Beginning)} = b + c + d + e + f + g \text{ (End)} + h$$

- **Method 2** – looks at the waste stored on-site.

If the stored waste got **smaller**, the total of the other managed columns will be **more** than the total waste received.

If the stored waste got **larger**, the total of the other managed columns will be **less** than the total waste received.

Balancing a Row – Example 1

Most Common Reporting Errors – continued

Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Sent Off-Site:		Stored On-Site:		Other	
					Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
a	b	c	d	e	f		g		h	
4,000			4,500				700	200		

Method 1) $a + g \text{ (Beginning)} = d + g \text{ (End)}$
 $4,000 + 700 = 4,500 + 200$

Method 2) The stored waste got smaller $700 - 200 = 500$.

500 tons from the stored waste was managed.

So the total landfilled amount is $4,000 + 500 = 4,500$ (column d, how the waste was managed).

Balancing a Row – Example 2

Most Common Reporting Errors – continued

Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Sent Off-Site:		Stored On-Site:		Other	
					Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
a	b	c	d	e	f		g		h	
6,000			5,300				100	800		

Method 1) $a + g \text{ (Beginning)} = d + g \text{ (End)}$
 $6,000 + 100 = 5,300 + 800$

Method 2) The stored waste got larger $800 - 100 = 700$.
 700 tons of the 6,000 tons received was managed by being stored on-site.
 The on-site stored waste increased so the total landfilled amount is $6,000 - 700 = 5,300$ (column d).

Balancing a Row - Example 3

Most Common Reporting Errors – continued

Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Sent Off-Site:		Stored On-Site:		Other	
					Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
a	b	c	d	e	f		g		h	
5,000	1,500		2,600		1,000		700	100		500

Method 1) $a + g(\text{Beginning}) = b + d + f + g(\text{End}) + h$
 $5,000 + 700 = 1,500 + 2,600 + 1,000 + 100 + 500$

Method 2) The stored waste got **smaller** $700 - 100 = 600$.

600 tons of the 5,000 tons received was managed.

$5,000 + 600 = 5,600$ would need to be the sum of the other managed columns (excluding stored on-site columns)

$$5,600 = 1,500 + 2,600 + 1,000 + 500.$$

Balancing a Row - Example 4

Most Common Reporting Errors – continued

Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Sent Off-Site:		Stored On-Site:		Other	
					Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
a	b	c	d	e	f		g		h	
9,000	1,000		2,600		3,200		300	500		2,000

Method 1) $a + g(\text{Beginning}) = b + d + f + g(\text{End}) + h$
 $9,000 + 300 = 1,000 + 2,600 + 3,200 + 500 + 2,000$

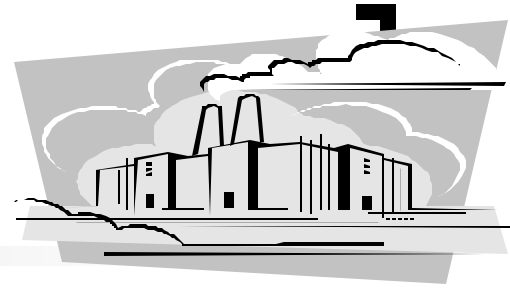
Method 2) The stored waste got **larger** $500 - 300 = 200$.

200 tons of the 9,000 tons received was managed by being stored.

$9,000 - 200 = 8,800$ would need to be the sum of the other managed columns (excluding stored on-site columns)

$$8,800 = 1,000 + 2,600 + 3,200 + 2,000.$$

[Instructions for Incinerators



- Incineration- a treatment technology involving destruction of waste by controlled burning at high temperatures.
- Some facilities presort waste and remove recyclables in conjunction with a material recovery facility (MRF). Presorting can also remove hazardous waste and noncombustible materials.
- Some facilities remove ferrous and nonferrous metals after incineration.
- Some facilities accept only presorted waste or waste generated on-site.

Incineration Facilities that operate in conjunction with a MRF

The example below shows that 10,000 tons of MSW was received. Prior to incineration 1,500 tons was screened to be recycled and 50 tons for disposal. The 750 tons of ash generated was sent off-site to be treated, stored or disposed.

							Sent Off-Site to be:	
Waste Type		Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Recycled	Treated, Stored, Disposed
		a	b	c	d	e	f	
12	Municipal Solid Waste	10,000				8,000	1,500	50
17	Incineration Ash							750

Does Row 12 balance?

Incineration Facilities that operate in conjunction with a MRF

Note that Row 12 now balances. The example below shows that 10,000 tons of MSW was received. Prior to incineration 1,500 tons was screened to be recycled and 500 tons for disposal. The 750 tons of ash generated was sent off-site to be treated, stored or disposed.

Waste Type							Sent Off-Site to be:	
		Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Recycled	Treated, Stored, Disposed
		a	b	c	d	e	f	
12	Municipal Solid Waste	10,000				8,000	1,500	500
17	Incineration Ash							750

Incineration Facilities that do not operate in conjunction with a MRF

The example below shows that 100 tons of MSW was received. After incineration, 10 tons were reclaimed to be recycled and 15 tons of ash was sent off-site to be treated, stored, or disposed.

							Sent Off-Site to be:	
Waste Type		Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Recycled	Treated, Stored, Disposed
		a	b	c	d	e	f	
12	Municipal Solid Waste	100				100		
17	Incineration Ash						10	15

Incineration Facilities that accept only presorted waste or waste generated on-site

If your facility **accepts only presorted waste or waste generated on-site** and incinerates all of the material, then for each waste type report the amount of waste received and the amount incinerated on the same row. Ash generated is recorded on row 17.

							Sent Off-Site to be:	
Waste Type		Total Amount of Waste Received	Recycled On-Site	Composted On-site	Landfilled On-site	Incinerated on-Site	Recycled	Treated, Stored, Disposed
		a	b	c	d	e	f	
12	Municipal Solid Waste	7,000				7,000		
17	Incineration Ash							285

[Contact information

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